

US EPA ARCHIVE DOCUMENT

THE CONSERVATION FUND

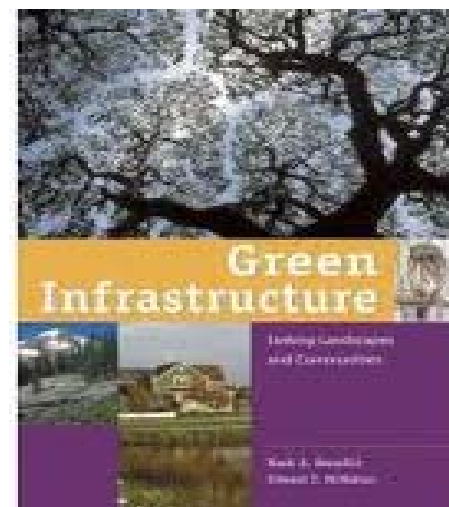
America's Partner in Conservation

Funding Green Infrastructure In Your Community



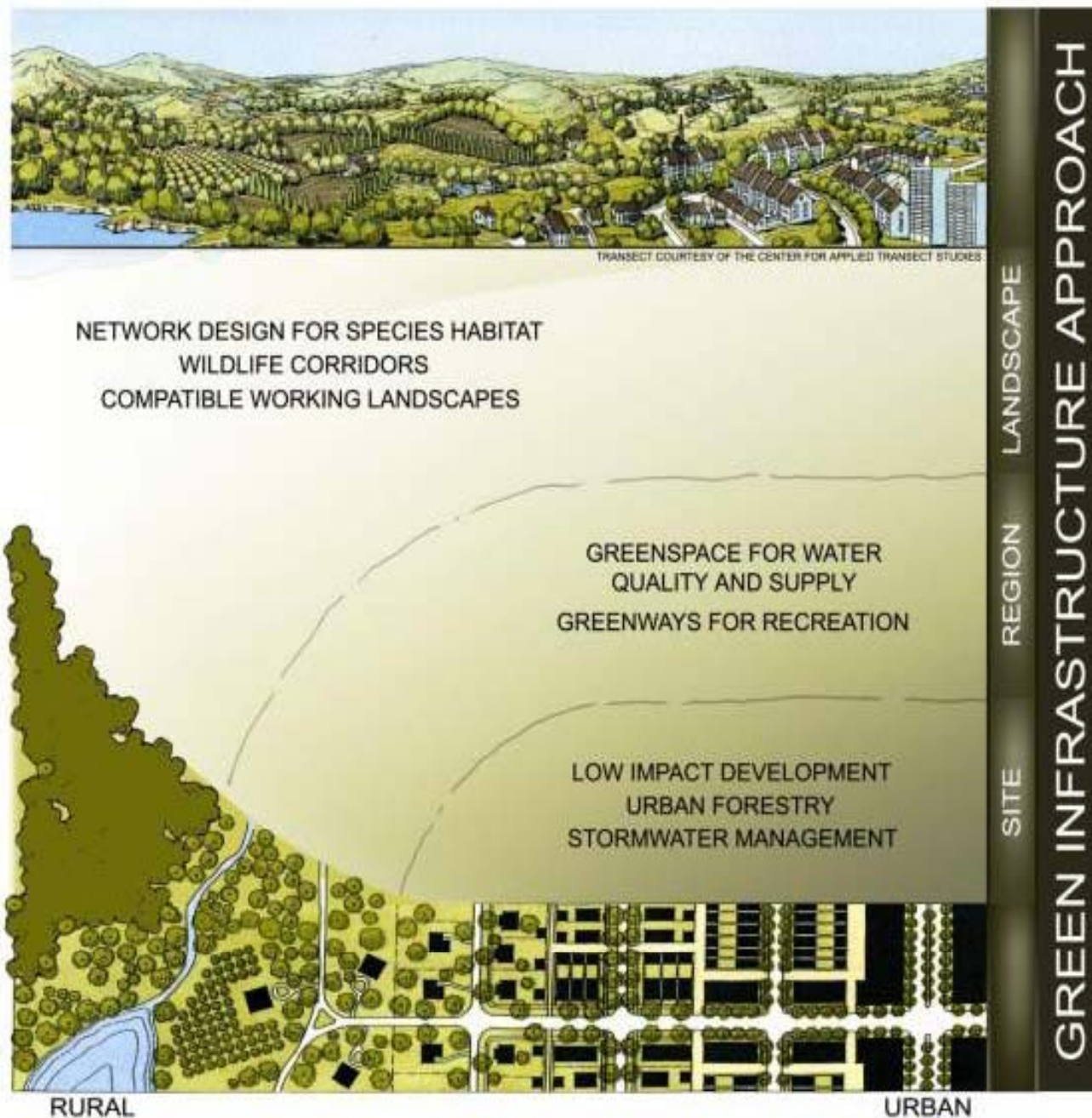
Martin J. McHugh, The Conservation Fund

- ✧ National Non-profit Chartered Under Dual Mission:
 - Protect Our Land and Water Resources
 - Promote Sustainable Economic Development
- ✧ Non-advocacy and Non-membership Non-profit
- ✧ Over 7 Million Acres Protected in 30 years
- ✧ Top 1% of Charities Nationwide
- ✧ Trained Over 10,000 Community/Business Leaders In Strategic Conservation
- ✧ **Implemented Green Infrastructure Plans in Major Regions and Cities**



Funding Green Infrastructure - Based on Scales

- ✓ **Scales -**
statewide,
county
regional,
community,
neighborhood
& site



Green Infrastructure Scales - Examples

❑ Multi-State Scale

- ❑ NiSource Green Infrastructure Assessment

❑ Regional/County Scale

- ❑ Florida Greenways Planning Model
- ❑ Seattle to Cascades Greenway
- ❑ Maryland Cecil County
- ❑ Angelina Green Infrastructure Plan, TX
- ❑ Chicago Wilderness, IL

❑ Local/Jurisdictional Scale

- ❑ Nashville/Davidson County, TN
- ❑ Milwaukee Greenseams, WI
- ❑ Houston Parks, TX

❑ Project Scale with linkage to Local Scale

- ❑ MD 301 Waldorf Area Transportation Improvements Project, MD



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**David DiSalvo**, Contributor

I write about science, technology, and the cultural ripples of both.

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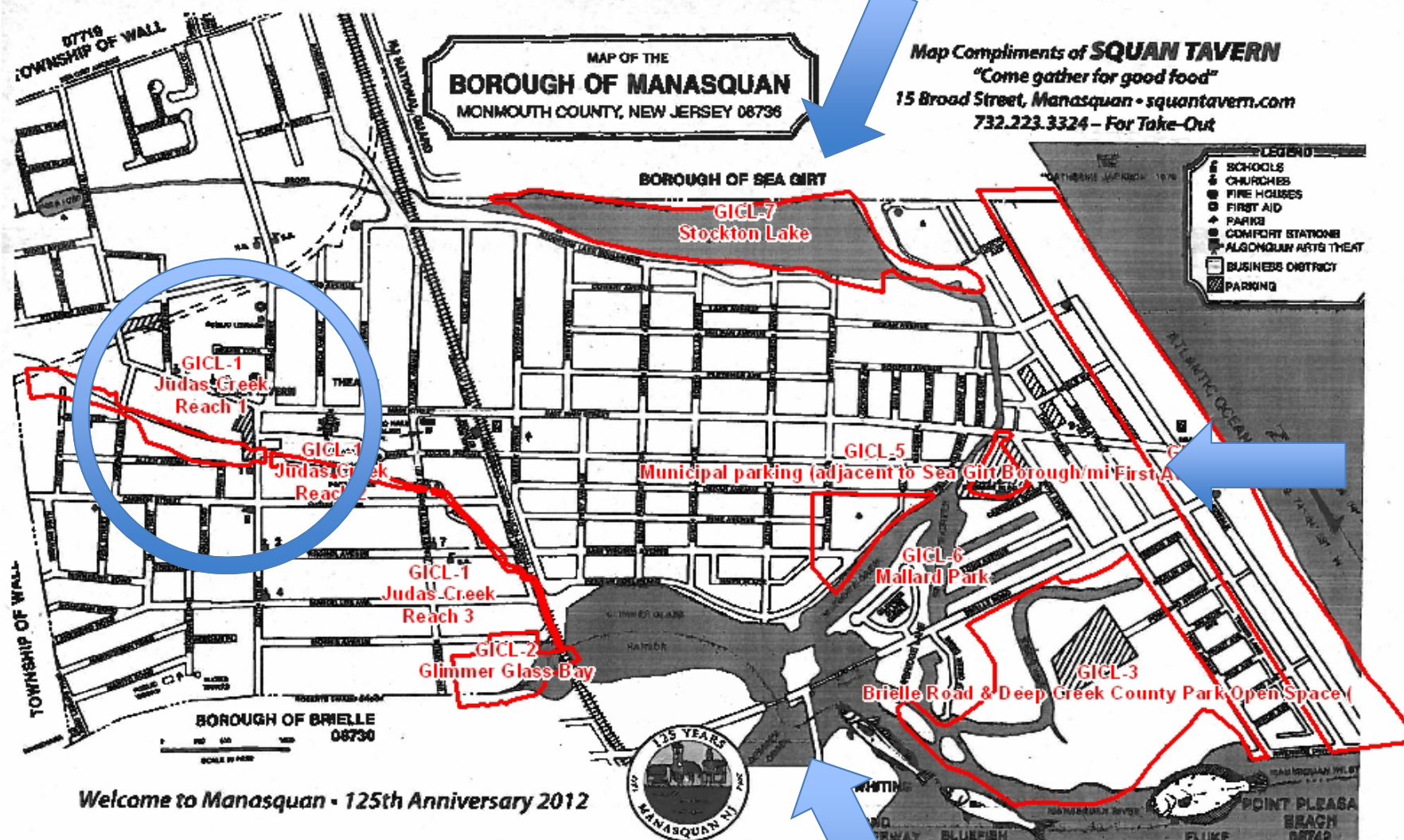
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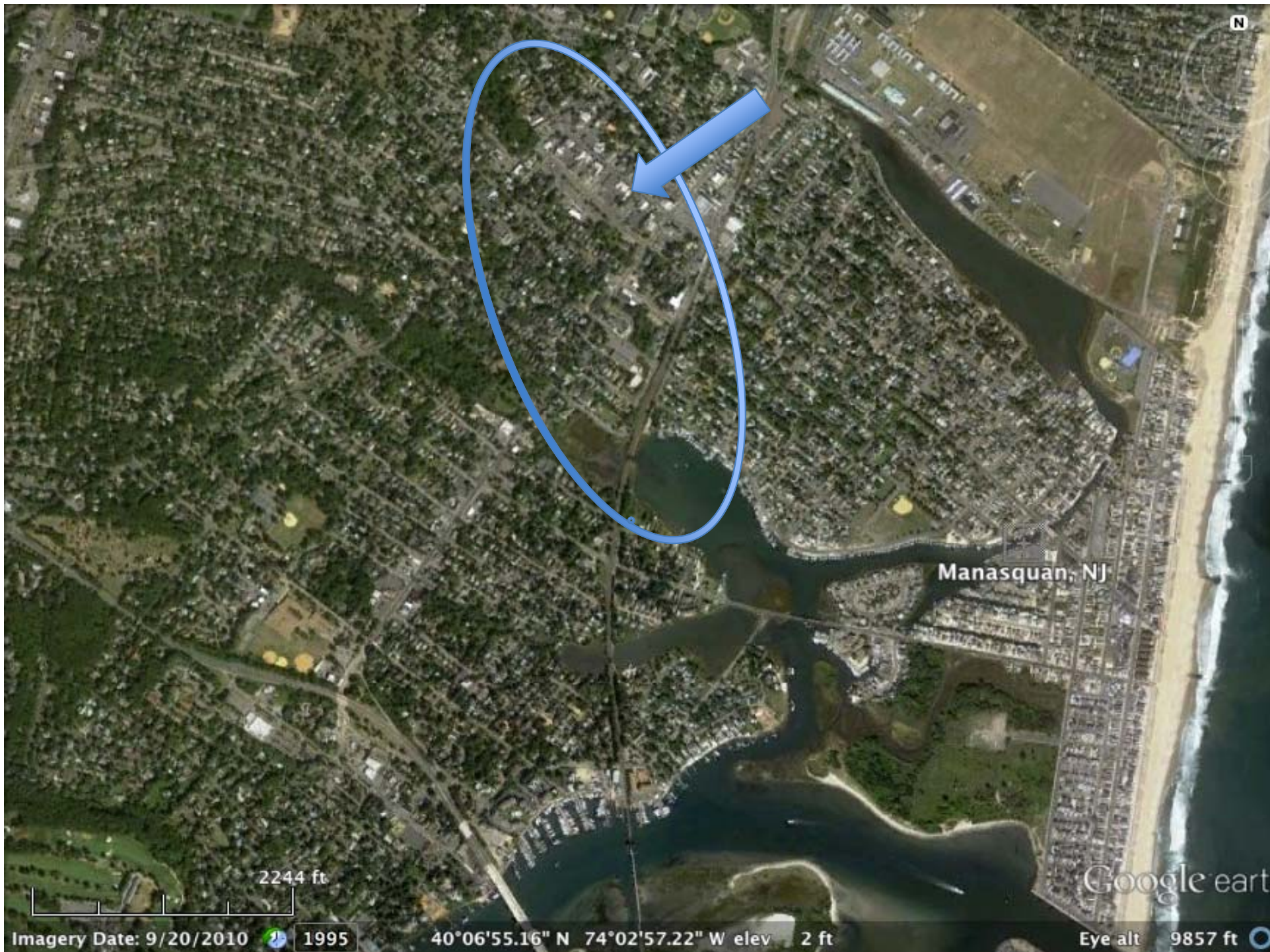


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Imagery Date: 9/20/2010 1995

40°06'55.16" N 74°02'57.22" W elev 2 ft


Eye alt 9857 ft







Federal Emergency Management Agency






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 **FEMA**

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Hazard Mitigation Grant Program

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The Hazard Mitigation Grant Program (HMGP) provides grants to states and local governments to implement long-term hazard mitigation measures after a major disaster declaration. The purpose of the HMGP is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented during the immediate recovery from a disaster. The HMGP is authorized under Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act.



Pasadena, Calif., March 26, 2010 -- Massive Debris basins at Pickins yard are emptied after recent heavy rains caused landslides, mudslides and flooding to fill in the area. Under the FEMA Public Assistance declaration, State and local

<http://www.fema.gov/hazard-mitigation-grant-program>



FEMA Region II

Coastal Analysis and Mapping

[Home](#)[Hurricane Sandy](#)[Coastal Flood Study](#)[Coastal Mapping Basics](#)[FAQs](#)[Additional Resources](#)[Contacts](#)

Recovery Toolkit for Community Officials

Your Source for Recovery Resources

Effective floodplain management depends on having accurate information about flood hazards before development occurs and integrating that information into regional and land use planning processes. This is especially important in the aftermath of a devastating storm such as Hurricane Sandy. The tools available below are intended to assist New Jersey and New York's community officials in comprehending and using the best available flood hazard data to build their communities back stronger and more resilient.

For additional assistance, please call 1-800-427-4661 or contact us through our [online form](#).

Fact Sheets and Documents

Websites and Other Resources

http://www.region2coastal.com/sandy/abfe/community_officials



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
GRANT & LOAN PROGRAMS

Three DEP and EIT Programs for utilities impacted directly by Sandy and for facilities seeking to increase resiliency and indirectly

1. Base DEP/Trust Financing Program – designed for facilities not directly impacted by Superstorm Sandy and interested in implementing resiliency measures or other improvements to their wastewater or stormwater conveyance or treatment facilities. Financing is generally in the form of a low-interest loan as low as one-quarter the market rate, with limited opportunities for principal forgiveness.
2. Sandy SRF Financing Program- a subset of the base financing program only available to project sponsors whose facilities were impacted by Super storm Sandy and are implementing one or more of the purposes outlined in subsection 5. of the Sandy SRF Financing section below.
3. Short-term Statewide Assistance Infrastructure Loan Program (SAIL) – Administered by the Trust and designed for project sponsors that seek short-term cash flow assistance for project expenses which will ultimately be financed through federal grant programs such as HUD-CDBG, FEMA 406 or 404 reimbursement programs, and/or the local match requirements for such grant programs, or interim financing for NJEIFP project expenses. It is anticipated that loans issued to projects for which FEMA funds are sought shall not include Sandy SRF funds since FEMA grant funding may be jeopardized if the funding package includes an alternative source that is considered federal funding.

http://www.njeit.org/pdf/FFY2014_CW_IUP.pdf



Division of Community Affairs Community Development Block Grant Disaster Recovery Funds

- DCA allocating \$5 million to affected counties and municipalities that have sustained a ratable loss of at least 1% or \$1 million attributable to Superstorm Sandy
- To develop planning strategies to guide activities directed at revitalizing local planning documents and practices to achieve community-wide resilience to future storm damage and encourage sustainable economic growth.
- Funds granted under the Post Sandy Planning Assistance program are to be spent on plans to ameliorate significant municipal weaknesses

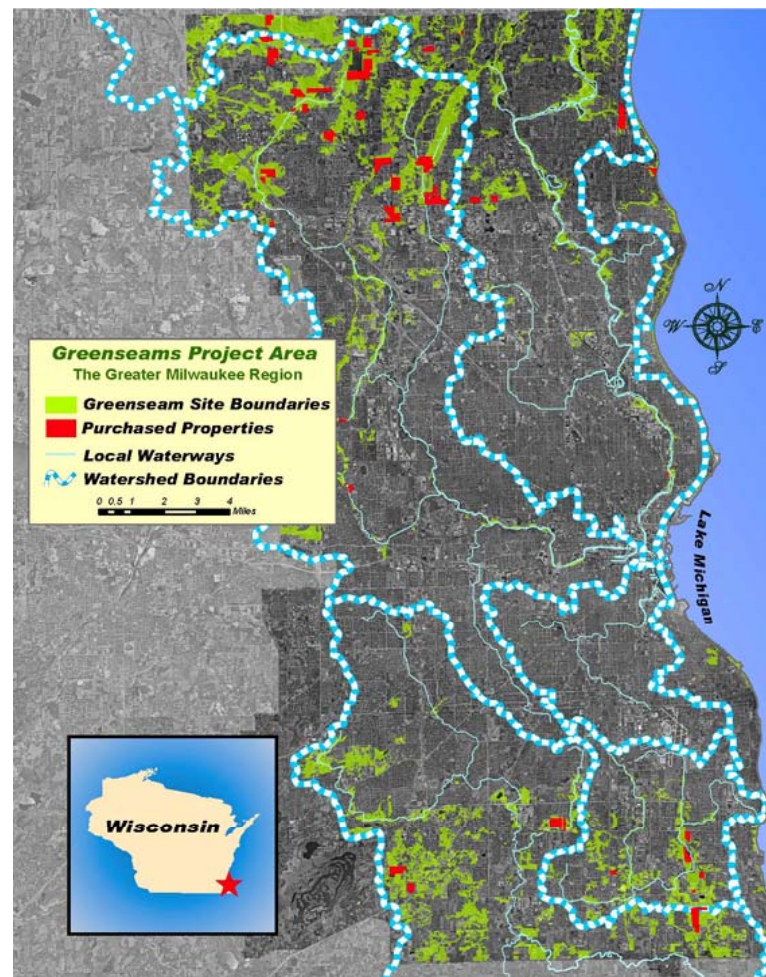
<http://www.nj.gov/dca/services/lps/pdf/PostSandyPlanningAssistanceGrantProgramGuidelines.pdf>

Success Based on Leveraging Funding

Nashville - May 2010 Record Floods on Mississippi



Milwaukee Sewage Management District – Greenseams Project



Inform, involve, and seek community input on your green infrastructure projects and plans

- ✓ Ask for the public's help in identifying network elements & reviewing design results
- ✓ Seek input in identifying available tools & programs for implementation
- ✓ Creates local champions for implementation and stewardship

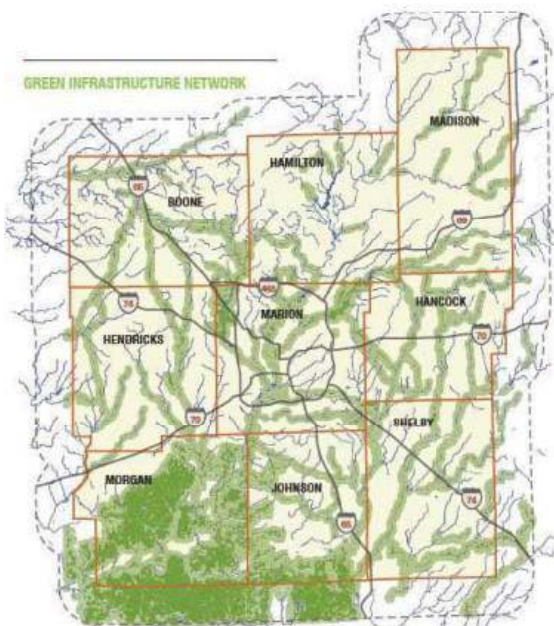


Other Funding Sources to Consider

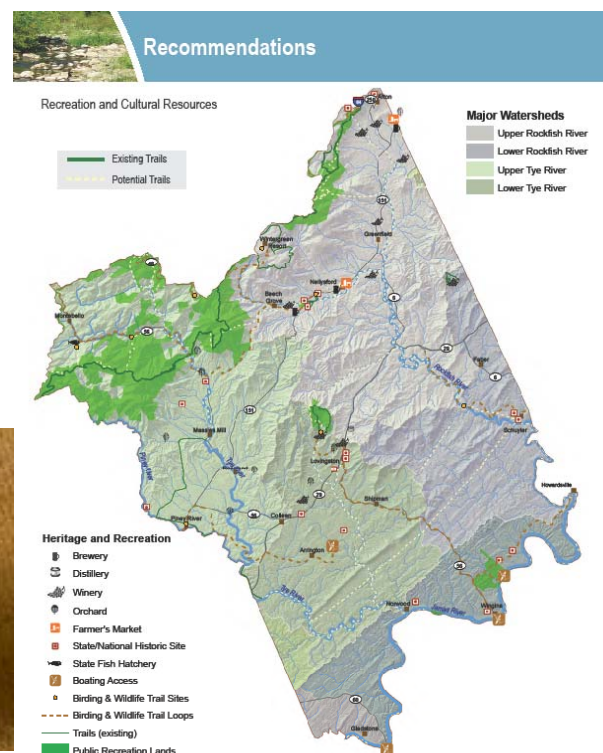
- Voter Approved Sales tax
- Stormwater utility charges
- New development charges
- Private Foundations
- Permit Conditions
- Penalty Settlements and SEPs
- Carbon Sequestration and Offsets
- Natural Resource Damage Settlements
- Litigation Settlements
- USEPA Non-Point Source Funding



Central Indiana Land Trust: Greening the Crossroads



Nelson County VA Green Infrastructure: Protecting the Head- Waters



Funding Websites and Information

- DEP Division of Water Quality Municipal Finance and Construction Element

<http://www.state.nj.us/dep/dwq/mface.htm>

- NJ Environmental Infrastructure Trust

<http://www.njeit.org/index.htm>

- NJ Department of Community Affairs

<http://www.state.nj.us/dca/>

Environmental Financing Center - Network Web-based Tools

- Environmental Financing Center Funding Matrices

www.efc.umd.edu/links.html

**http://efc.umd.edu/assets/encouraging_efficient_green_infrastructure_investment_1-23-13.pdf

- Plan2Fund

efc.boisestate.edu/Tools/Plan2Fund/tabid/104/Default.aspx

- Directory of Watershed Resources

efc.boisestate.edu/Default.aspx?alias=efc.boisestate.edu/watershed

Other Web-based Tools

- EPA
 - Green Infrastructure www.epa.gov/greeninfrastructure
 - **Healthy Watersheds** www.epa.gov/healthywatersheds
 - **Water Quality Scorecard**
www.epa.gov/smartgrowth/water_score_card.htm
- Green Toolbox – greenvalues.cnt.org/

Additional Resources

- The Conservation Fund www.greeninfrastructure.net
- Low Impact Development Center
www.lowimpactdevelopment.org
- American Rivers www.americanrivers.org
- Green Infrastructure Center www.gicinc.org
- Regional Planning Association
<http://www.rpa.org/node/3282>
- NRDC Green Infrastructure Financing
www.nrdc.org/greenbusiness/cmi/green-infrastructure.asp

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The Conservation Fund

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